

ABSTRACT

[0076] A composite material comprising a first layer which comprises a prefabricated microcells component, surfactant-generated microcells, a surfactant component, a filler component and a binder component and a second layer, which comprises a metallic component. The composite material may further comprise a substrate to which the first layer is adhered. The composite materials have heat insulating and fire resistant characteristics and are particularly suited for use in building materials and mattresses.